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TITLE: RECORDER

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INVENTOR-INFORMATION:
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ABSTRACT:
PURPOSE: To detect a battery capacity with high accuracy by providing a
detection means for detecting the capacity of a battery and a detection control
means for making the detection means detect the capacity in synchronism with a
specific action of a drive load within a recording action period.

CONSTITUTION: A low battery alarm is issued when the level of a battery
capacity is too lowered to ensure a recording action during the recording

action. If the recording action is continued in this state, the function of a
device is stopped during the recording. Received recording information may be
erased, an ink delivery port of a recording head may be left unsealed when the
level of the battery capacity is too lowered to drive a carriage and a capping
member, and other failures may occur. Then, during the recording action, a
residual battery capacity is detected for every line recording. In a step S1,
a discharge current of the battery is momentarily controlled to an appropriate
magnitude by loading pulses. Meanwhile, the excitation of a carriage motor
phase is started for detecting the voltage of the battery. Namely, the drive
of a carriage motor 8 is started. In a step S2, a fixed time
t<SB>1</SB> is
counted until the drop of the battery voltage is substantially saturated. In a
step S3, the battery voltage is detected. In this manner, the limited battery
capacity can be effectively used.